WEST Search History

| Hide Items | Restore | Clear | Cancel |

DATE: Thursday, May 12, 2005

Hide?	Set Name	Query	Hit Count
		DB=USPT,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR	
☐	L7	14 and ((conserv$9 or consum$9) with power$4)	9
☐	L6	14 and ((conserv$9 or consum$9) same power$4)	11
☐	L5	L4 same power$4	3
☐	L4	(play$4 near5 (media near3 application))	199
☐	L3	L2 same power$4	3
☐	L2	(play$4 near5 (real adj time adj application))	22
☐	L1	(during near5 play$4 near5 (real adj time adj application))	0

END OF SEARCH HISTORY

L7: Entry 2 of 9   File: USPT   Dec 7, 2004

DOCUMENT-IDENTIFIER: US 6827263 B2
TITLE: Card for service access

Detailed Description Text (63):
Some applications can be started when the system 600 is started and these
applications (e.g. a browser control application or a media playing application)
can be always running. These persistent applications can be system specific or more
generally applicable.

Detailed Description Text (127):
When the remote reader 1 has not been used for a short period of time, pre-
programmed firmware preferably puts the unit into low-power mode to conserve
battery life. In low-power mode, the supply voltage is switched off to all current
consuming components, the ports of the microcontroller 44 are set into a safe sleep
state and the clock 48 is stopped. In this state the current consumption of the
remote reader 1 is less than 5 .mu.A. A P-channel FET can be used to control the
supply of power to the current consuming components.

Detailed Description Text (260):
6.7 Power Consumption

Detailed Description Text (261):
The firmware plays a critical role in conserving the life of the battery 53. All
operations performed by the microcontroller 44 are optimized so as to be performed
as quickly as possible while wasting as little power as possible. As soon as the
remote reader 1 has been inactive for a time (e.g. 1 minute) the microcontroller 44
suspends to low power mode to conserve battery life still further. Low power mode
consumes about 1000 times less current than normal operating mode so efficient
suspension to this mode is very desirable. The firmware controls the state of the
microcontroller 44 ports during low power mode. It is very important that the low
power state be carefully tested, one bit of one port incorrectly set during low
power mode can easily halve the battery life.

☐   Generate Collection   Print

L7: Entry 5 of 9   File: USPT   May 7, 2002

DOCUMENT-IDENTIFIER: US 6385734 B2
TITLE: Portable computer with low power audio CD-player

Abstract Text (1):
A system and method to reduce power consumption in a portable computer system while
allowing the CDROM drive to continue playing audio CDs. When the system enters a
suspend mode, the status of the CDROM drive is checked, and if it is playing an
audio CD, it remains powered, otherwise power to the CDROM drive is also suspended.
The system recognizes when the audio CD is finished playing and then places the
CDROM drive into the suspend mode.

Detailed Description Text (35):
Characteristic of an ATAPI compliant CD-ROM is the command "Play Audio CD." This
command will be issued by an application, for example the "Media Player"
application under the Windows operating system. After this command is issued, the
CD-ROM will play without any further instruction by the CPU.

Detailed Description Text (60):
a. The hard drive and CD-rom drive may be powered at the same time; no effort is
made to isolate the CD-rom power from the hard drive power. The fixed disk may be
placed in to a SUSPEND mode by writing to a control register in the Fixed disk
itself. Because the Fixed Disk drive is powered up in this mode, it will not
activate the (active low) control signals on its attached IDE bus as it would if
powered off. This is not the preferred approach, since today the fixed disk drive
consumes about half a watt when in SUSPEND (about 20% of the CD-Player suspend
power budget).